

## CRF Errors Corrected by the STIC System, Branch

O/PE 0570  
0429Serial Number: 10/04/007CRF Processing Date: 4/30/2002 #5  
Edited by: An  
Verified by: An (STIC staff)

- Changed a file from non-ASCII to ASCII **ENTERED**
- Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- Edited a format error in the Current Application Data section, specifically:
- 
- Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_
- Added the mandatory heading and subheadings for "Current Application Data".
- Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- 
- Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- 
- Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
- 
- Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- Inserted colons after headings/subheadings. Headings edited included:
- 
- Deleted extra, invalid, headings used by an applicant, specifically:
- 
- Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_
- Inserted mandatory headings, specifically:
- 
- Corrected an obvious error in the response, specifically:
- 
- Edited identifiers where upper case is used but lower case is required, or vice versa.
- 
- Corrected an error in the Number of Sequences field, specifically:
- 
- A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- 
- Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:
- 
- Other:
- 
- 
- 

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

#5



OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/041,007

DATE: 04/30/2002  
TIME: 18:23:57

Input Set : N:\Crf3\04252002\J041007.raw  
Output Set: N:\CRF3\04302002\J041007.raw

P.6

1 <110> APPLICANT: Matsuda, Seiichi P.T.  
 2 Schepmann, Hala G  
 3 <120> TITLE OF INVENTION: Ginkgo Biloba Levopimaradiene Synthase  
 4 <130> FILE REFERENCE: P02081US1  
 5 <140> CURRENT APPLICATION NUMBER: US/10/041,007  
 6 <141> CURRENT FILING DATE: 2002-01-07  
 7 <150> PRIOR APPLICATION NUMBER: US 60/259,881  
 8 <151> PRIOR FILING DATE: 2001-01-05  
 9 <160> NUMBER OF SEQ ID NOS: 41  
 10 <170> SOFTWARE: PatentIn version 3.1  
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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/041,007

DATE: 04/30/2002  
TIME: 18:23:57

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65 <211> LENGTH: 873

66 <212> TYPE: PRT

67 <213> ORGANISM: Ginkgo biloba

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72	20 25 30	
73	Lys Arg Ser Ser Phe Gly Phe Asn Ala Gln His Cys Val Arg Ser His	
74	35 40 45	
75	Leu Arg Leu Arg Trp Asn Cys Val Gly Ile His Ala Ser Ala Ala Glu	
76	50 55 60	
77	Thr Arg Pro Asp Gln Leu Pro Gln Glu Glu Arg Phe Val Ser Arg Leu	
78	65 70 75 80	
79	Asn Ala Asp Tyr His Pro Ala Val Trp Lys Asp Asp Phe Ile Asp Ser	
80	85 90 95	
81	Leu Thr Ser Pro Asn Ser His Ala Thr Ser Lys Ser Ser Val Asp Glu	
82	100 105 110	
83	Thr Ile Asn Lys Arg Ile Gln Thr Leu Val Lys Glu Ile Gln Cys Met	
84	115 120 125	
85	Phe Gln Ser Met Gly Asp Gly Glu Thr Asn Pro Ser Ala Tyr Asp Thr	
86	130 135 140	
87	Ala Trp Val Ala Arg Ile Pro Ser Ile Asp Gly Ser Gly Ala Pro Gln	
88	145 150 155 160	
89	Phe Pro Gln Thr Leu Gln Trp Ile Leu Asn Asn Gln Leu Pro Asp Gly	
90	165 170 175	
91	Ser Trp Gly Glu Glu Cys Ile Phe Leu Ala Tyr Asp Arg Val Leu Asn	
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97 Lys Asp Glu Ala Asp Asn His Arg Pro Ser Gly Phe Glu Val Val Phe  
98 225 230 235 240  
99 Pro Ala Met Leu Asp Glu Ala Lys Ser Leu Gly Leu Asp Leu Pro Tyr  
100 245 250 255  
101 His Leu Pro Phe Ile Ser Gln Ile His Gln Lys Arg Gln Lys Lys Leu  
102 260 265 270  
103 Gln Lys Ile Pro Leu Asn Val Leu His Asn His Gln Thr Ala Leu Leu  
104 275 280 285  
105 Tyr Ser Leu Glu Gly Leu Gln Asp Val Val Asp Trp Gln Glu Ile Thr  
106 290 295 300  
107 Asn Leu Gln Ser Arg Asp Gly Ser Phe Leu Ser Ser Pro Ala Ser Thr  
108 305 310 315 320  
109 Ala Cys Val Phe Met His Thr Gln Asn Lys Arg Cys Leu His Phe Leu  
110 325 330 335  
111 Asn Phe Val Leu Ser Lys Phe Gly Asp Tyr Val Pro Cys His Tyr Pro  
112 340 345 350  
113 Leu Asp Leu Phe Glu Arg Leu Trp Ala Val Asp Thr Val Glu Arg Leu  
114 355 360 365  
115 Gly Ile Asp Arg Tyr Phe Lys Lys Glu Ile Lys Glu Ser Leu Asp Tyr  
116 370 375 380  
117 Val Tyr Arg Tyr Trp Asp Ala Glu Arg Gly Val Gly Trp Ala Arg Cys  
118 385 390 395 400  
119 Asn Pro Ile Pro Asp Val Asp Asp Thr Ala Met Gly Leu Arg Ile Leu  
120 405 410 415  
121 Arg Leu His Gly Tyr Asn Val Ser Ser Asp Val Leu Glu Asn Phe Arg  
122 420 425 430  
123 Asp Glu Lys Gly Asp Phe Phe Cys Phe Ala Gly Gln Thr Gln Ile Gly  
124 435 440 445  
125 Val Thr Asp Asn Leu Asn Leu Tyr Arg Cys Ser Gln Val Cys Phe Pro  
126 450 455 460  
127 Gly Glu Lys Ile Met Glu Glu Ala Lys Thr Phe Thr Thr Asn His Leu  
128 465 470 475 480  
129 Gln Asn Ala Leu Ala Lys Asn Asn Ala Phe Asp Lys Trp Ala Val Lys  
130 485 490 495  
131 Lys Asp Leu Pro Gly Glu Val Glu Tyr Ala Ile Lys Tyr Pro Trp His  
132 500 505 510  
133 Arg Ser Met Pro Arg Leu Glu Ala Arg Ser Tyr Ile Glu Gln Phe Gly  
134 515 520 525  
135 Ser Asn Asp Val Trp Leu Gly Lys Thr Val Tyr Lys Met Leu Tyr Val  
136 530 535 540  
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138 545 550 555 560  
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149	Glu Ala Val Arg Arg Trp Asp Ile Ser Val Leu Asp Ser Val Arg Asp		
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151	Asn Gln Leu Lys Val Cys Phe Leu Gly Leu Tyr Asn Thr Val Asn Gly		
152	660	665	670
153	Phe Gly Lys Asp Gly Leu Lys Glu Gln Gly Arg Asp Val Leu Gly Tyr		
154	675	680	685
155	Leu Arg Lys Val Trp Glu Gly Leu Leu Ala Ser Tyr Thr Lys Glu Ala		
156	690	695	700
157	Glu Trp Ser Ala Ala Lys Tyr Val Pro Thr Phe Asn Glu Tyr Val Glu		
158	705	710	715
159	Asn Ala Lys Val Ser Ile Ala Leu Ala Thr Val Val Leu Asn Ser Ile		
160	725	730	735
161	Phe Phe Thr Gly Glu Leu Leu Pro Asp Tyr Ile Leu Gln Gln Val Asp		
162	740	745	750
163	Leu Arg Ser Lys Phe Leu His Leu Val Ser Leu Thr Gly Arg Leu Ile		
164	755	760	765
165	Asn Asp Thr Lys Thr Tyr Gln Ala Glu Arg Asn Arg Gly Glu Leu Val		
166	770	775	780
167	Ser Ser Val Gln Cys Tyr Met Arg Glu Asn Pro Glu Cys Thr Glu Glu		
168	785	790	795
169	Glu Ala Leu Ser His Val Tyr Gly Ile Ile Asp Asn Ala Leu Lys Glu		
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171	Leu Asn Trp Glu Leu Ala Asn Pro Ala Ser Asn Ala Pro Leu Cys Val		
172	820	825	830
173	Arg Arg Leu Leu Phe Asn Thr Ala Arg Val Met Gln Leu Phe Tyr Met		
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RAW SEQUENCE LISTING  
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DATE: 04/30/2002  
TIME: 18:23:57

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RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 04/30/2002  
PATENT APPLICATION: US/10/041,007                    TIME: 18:23:58

Input Set : N:\Crf3\04252002\J041007.raw  
Output Set: N:\CRF3\04302002\J041007.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:29; N Pos. 3,12,15

Seq#:30; N Pos. 9,15